NOAA Integrated Ocean Observing System Program
Integrated Products Team
Summer Workshop

August 11-12, 2009

NOAA IOOS Program Office
1100 Wayne Avenue, Suite 1225
Silver Spring, MD 20910

Conference Dial-In #: 1-877-417-3954; Pass code #: 9119817

Purpose: (1) To inform attendees of current status of IOOS work; (2) to obtain strategic recommendations on next steps in FY2010 for customer projects, data providers, additional service types, etc given limited disposal income, existing staff and IPT volunteerism; (3) identify technical problems in need of solution.

Read-aheads:

- Summary of recommendations DDWG, 2008 IPT workshop Report
- *Optional: Additional detail beyond allowed 3 slides for each project*

DAY 1

8:00 **Coffee, juice, bagels**
8:30 **Introductions and Opening Remarks** (Charly and Zdenka)
9:00 **Data Integration Framework (DIF): Present Status**

- Review of present customers, data providers, DIF project updates
  - 8:45 DIF Data Providers (Jeff, Rob)
    - CO-OPS (SOS)
    - NDBC (SOS, TDS, WMS)
    - CoastWatch (TDS)
    - Regional Implementation Status (SOS, TDS)
  - 9:00 DIF Customer Projects (Marcia, Carmel)
    - Harmful Algal Blooms
    - Coastal Inundation
    - Integrated Ecosystem Assessments/ERDDAP
    - Hurricane Intensity
    - High Frequency Radar
    - Model Interoperability (Rich Signell)
  - 9:15 Discussion

9:45 **IPT Working Group Presentations and Discussions**
  - 9:45 Metadata (Ted Habermann) – 3 slides on WG discussions
  - 10:00 Discussion (All) – Achievable metadata goals in FY2010

10:45 **Break**
  - 11:00 Registries/Catalog (John Ulmer) – 3 slides on WG discussions
  - 11:15 Discussion (All) – Achievable Registry/Catalog goals in FY2010

12:00 **Lunch (on your own)**
1:15 **Archive Update** (Ken Casey)
1:30 **IOOS Grantees (Current Status and next steps) -** 3 slides each

1:30 OPeNDAP-OGC Gateway (Dan Holloway)
- A project supporting regional IOOS interoperability through development of two Open Geospatial Consortium protocols.

1:45 QARTOD to OGC (Q2O) (Julie Bosch)
- A project demonstrating an implementation of the Quality Assurance Real-Time Oceanographic Data (QARTOD) results by employing OGC standards.

2:00 IOOS Observing Registry (Charly)
- A database that inventories non-Federal observing assets in the United States to support planning of observing resources.

2:15 Discussion: Next steps/transition/phase-out of grantee and other projects (All)

2:45 **Break**

3:00 **Other Federal/Regional projects**

3:00 NSF OOI/CI – 6 slides (Matthew)

3:30 Coastal Inundation Grantee Projects (Marcia)

3:45 Other Candidate Projects (IPT/Interagency Reps)
- (e.g. OSMC, NWQMN, Navy-NOAA MOA, USACE Partnership)

4:00 **IOOS Legislation Overview** (April Black)

4:30 **Day 1 Wrap-up** (Charly)

5:00 **Adjourn**

6:00 **Social time at McGinty's Irish Pub** (optional)

<u>DAY 2</u>

8:00 **Coffee, juice, bagels**

8:30 **Next Steps for DIF-DMAC Development (FY2010)** (Charly/All)

8:30 Existing DIF Customer Projects
- Unmet requirements that can be met in FY2010?
- Maintenance/ Enhancements to current customer projects/ applications

9:00 New DIF/DMAC customers/applications (e.g. Coastal to Global component)
- Recommendations for new quick-win customers
- Process for finding new customers

9:30 Existing DIF Data Providers
- Expansion of data sets from present DIF data providers
- Maintenance/ Enhancements of present data services

10:00 **Break**

10:15 New Data Providers (NOAA, Federal, other)

10:45 General-purpose Viewer/Demo capability

11:15 Other components and Infrastructure (Models, Archives, IT Security, Catalogs, …)

12:15 **Lunch (eat-in)**

1:15 **Other technologies to consider in FY2010** (Jeff/ All)
Google Earth, feeds, cloud services, OOI/CI advances, Pachube, Sensorpedia (All)

2:15 **Governance: Future role of IPT** (Marcia/All)
- Expanding beyond NOAA
- Relationship to DMAC Steering Team

3:15 **Break**

3:30 **Closing discussion/action items/wrap-up** (Charly/All)

4:30 **Adjourn**

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Attendees List

INTEGRATED PRODUCTS TEAM

	Name		Affiliation
1.	Lance	Acree	NESDIS – GEO-IDE
2.	Julie	Bosch	NESDIS/NODC-NCDDC
3.	Bill	Burnett	NWS - NDBC
4.	Ken	Casey	NESDIS - NODC
5.	Cindy	Diehl	NOAA - CIO
6.	Katie	Fisher	NOS - CSC
7.	Ted	Habermann	NESDIS - NGDC
8.	Steve	Hankin	OAR - PMEL
9.	Andrea	Hardy	NOS - CO-OPS
10.	Phil	Keegstra	NESDIS - CoastWatch
11.	Lewis	McCulloch	NESDIS - GEO-IDE
12.	Ken	Mcdonald	NESDIS - GEO-IDE
13.	Avichal	Mehra	NWS - NCEP
14.	Roy	Mendelssohn	NMFS - SWFSC
15.	Karen	Sender	NMFS
16.	Becky	Shuford	NMFS - OST
17.	Derrick	Snowden	OAR - OCO
18.	Erin	Steiner	NMFS
19.	John	Ulmer	NOS - CSC
20.	Martin	Yapur	NESDIS - OSD

DIF PLANNING TEAM

	Name		Affiliation
21.	Charly	Alexander	NOAA IOOS
22.	Alex	Birger	NOAA IOOS
23.	Jeff	de La Beaujardiere	NOAA IOOS
24.	Carmel	Ortiz	NOAA IOOS
25.	Rob	Ragsdale	NOAA IOOS
26.	Rich	Signell	USGS - Woods Hole (NOAA IOOS Detailee)
27.	Marcia	Weaks	NOAA IOOS

OTHER INVITED GUESTS

	Name		Affiliation
28.	Matthew	Arrott	UCSD - NSF/OOI-CI
29.	Dan	Holloway	OPeNDAP, Inc.
30.	Nathan	Potter	OPeNDAP, Inc.
31.	Nate	Booth	U.S. Geological Survey
32.	Roy	Ladner	US Navy
33.	Nathan	Wilkes	Environmental Protection Agency
34.	Linda	Lillycrop	U.S. Army Corps of Engineers
35.	Eoin	Howlett	MACOORA
36.	Rob	Cermak	AOOS
37.	Ben	Domenico	Unidata
38.	Hassan	Moustahfid	Rutgers University/OBIS